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SHORTENED STATUTOR	Y PERIOD OF RESPONSE	MAIL DATE	DELIVER	Y MODE
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Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

	Application No.	Applicant(s)			
	10/510,887	SUZUKI ET AL.			
Office Action Summary	Examiner	Art Unit			
	Chih-Cheng Glen Kao	2882			
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tirr vill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	J. nely filed the mailing date of this communication. D (35 U.S.C. § 133).			
Status					
1) Responsive to communication(s) filed on 2a) This action is FINAL . 2b) ☑ This 3) Since this application is in condition for allowar closed in accordance with the practice under E	action is non-final. nce except for formal matters, pro				
Disposition of Claims					
4) ☐ Claim(s) 1-22 is/are pending in the application. 4a) Of the above claim(s) is/are withdray 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-22 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or	vn from consideration.				
Application Papers					
9)⊠ The specification is objected to by the Examine 10)⊠ The drawing(s) filed on <u>08 October 2004</u> is/are: Applicant may not request that any objection to the oregin to the content drawing sheet(s) including the correction of the oregin to the oregin to the correction of the oregin to the example. 11)□ The oath or declaration is objected to by the Example.	a) \square accepted or b) \boxtimes objected drawing(s) be held in abeyance. See ion is required if the drawing(s) is ob	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119					
12) ⊠ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) ⊠ All b) □ Some * c) □ None of: 1. □ Certified copies of the priority documents have been received. 2. □ Certified copies of the priority documents have been received in Application No 3. ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.					
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 2/14/05.	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	ate			

DETAILED ACTION

Information Disclosure Statement

1. The listing of references in the specification is not a proper information disclosure statement. 37 CFR 1.98(b) requires a list of all patents, publications, or other information submitted for consideration by the Office, and MPEP § 609.04(a) states, "the list may not be incorporated into the specification but must be submitted in a separate paper." Therefore, unless the references have been cited by the examiner on form PTO-892, they have not been considered.

Drawings

2. The drawings are objected to because of the following inconsistencies with the specification. In the following format (location of objection; suggestion for correction), the following correction(s) may obviate the objection(s): (fig. 1, "headrest" at reference sign "54"; inserting --motor-- after "headrest" in the box), (fig. 9; replacing "54bg" with --54g--), (fig. 14, "headrest" at reference sign "54"; inserting --motor-- after "headrest" in the box), (fig. 15, "headrest" at reference sign "55"; inserting --motor-- after "headrest" in the box), and (fig. 15, "generaotr" at reference sign "1"; replacing "generaotr" with --generator--).

The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they do not include the following reference sign(s) mentioned in the description: (page 19, line 18, "LM(4)") and (page 19, line 19, "LM(12)").

The drawings are objected to as failing to comply with 37 CFR 1.84(p)(4) because reference character "72" has been used to designate both a tooth in figure 4 and a Y-axis motor in figures 14 and 15.

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Specification

3. The disclosure is objected to because of the following informalities. The specification refers to claims numerous times (i.e., on pages 5-12), which may create discrepancies and new

matter issues if future claim amendments were to be made. Therefore, the examiner suggests

removing all references to the claims that are in the specification.

Appropriate correction is required.

4. The abstract of the disclosure is objected to because it includes legal phraseology, such as

"means" in lines 9, 11, and 12. Correction is required. See MPEP § 608.01(b).

5. The specification is objected to because of the following informalities, which appear to

be minor draft errors including drawing inconsistencies and/or grammatical issues.

In the following format (location of objection; suggestion for correction), the following

correction(s) may obviate the objection(s): (page 12, line 31; replacing "Fgi.3" with --Fig.3--),

(page 16, line 20; replacing "wring" with --wiring--), (page 18, line 3, "console 12"; replacing

"12" with --11--), (page 20, line 36; replacing "Fgi.3" with --Fig.3--), (page 21, line 31;

replacing "liens" with --lines--), (page 22, line 8; replacing "Fgi.4" with --Fig.4--), (page 27, line

3; replacing "angel" with --angle--), (page 27, line 7; replacing "S!" with --Sĺ--), (page 28, line

10; replacing "skilful" with --skillful--), (page 31, line 2, "processing means 9b"; replacing "9b"

with --9a--), (page 33, line 29; replacing " $\theta + 1$ " with -- $\theta + 1$ --), (page 39, line 12; replacing

"Fig.19" with --Fig.20--), (page 40, line 13, "line means 10"; replacing "10" with --13--), (page

40, line 35, "is liked with"; replacing "liked" with --linked--), and (page 41, line 14; replacing

"Fig.20" with --Fig.19--).

Appropriate correction is required.

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Claim Objections

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6. Claims 1-22 are objected to because of the following informalities, which appear to be minor draft errors including grammatical and/or lack of antecedent basis problems.

In the following format (location of objection; suggestion for correction), the following correction(s) may obviate the objection(s): (claim 1, line 3, "wherein X-ray beam"; inserting -an-- after "wherein"), (claim 1, line 8; replacing "whereas" with --wherein--), (claim 1, line 13, "in a manner that"; inserting --such-- before "that"), (claim 1, last line, "the center"; replacing "the" with --a--), (claim 1, last line, "the orbit"; replacing "the" with --an--), (claim 2, line 2, "comprising, an X-ray generator"; deleting the comma), (claim 2, line 2, "image sensor and a circulating"; inserting a comma after "sensor"), (claim 2, line 5, "in a manner that"; inserting -such-- before "that"), (claim 2, line 7; replacing "whereas" with --wherein--), (claim 2, line 11, "moving said object holding means fixed"; deleting "fixed"), (claim 2, lines 11-12, "the rotary angle"; replacing "the" with --a--), (claim 2, line 12, "said X-ray circulating radiation"; deleting "said"), (claim 2, lines 12-13, "the center"; replacing "the" with --a--), (claim 2, line 13, "the orbit"; replacing "the" with --an--), (claim 3, line 18; replacing "comprising" with --comprises--), (claim 3, line 18, "the X-ray sectional image"; replacing "the" with --an--), (claim 3, line 19; replacing "process" with --processing--), (claim 3, line 19, "the X-ray transmitted image"; replacing "the" with --an--), (claim 3, last line; replacing "X-ray" with --X-rays--), (claim 4, line 4, "the regions"; deleting "the"), (claim 4, line 4, "the target sectional area"; replacing "the" with --a--), (claim 4, line 4; replacing "thorough" with --through--), (claim 4, line 5, "in a manner that"; inserting --such-- before "that"), (claim 4, line 9; replacing "excluded" with --excluding--), (claim 4, line 9, "a computed tomography"; deleting "a"), (claim 4, line 10, "a three-

dimensional"; deleting "a"), (claim 6, lines 3-4, "in a manner that"; inserting --such-- before "that"), (claim 7, line 3, "said first X-ray sectional image"; replacing "said" with --a--), (claim 7, line 8, "in a manner that"; inserting --such-- before "that"), (claim 7, line 8, "said X-ray rotary"; replacing "said" with --the--), (claim 8, line 3, "and said object"; inserting --wherein-- after "and"), (claim 9, line 3; replacing "holds" with --holding--), (claim 9, line 6, "in a manner that"; inserting --such-- before "that"), (claim 9, line 7; replacing "its" with --said first X-ray--), (claim 11, line 3, "obtaining X-ray"; inserting --an-- after "obtaining"), (claim 11, line 3, "the local region"; replacing "the" with --a--), (claim 11, line 4; inserting --a-- before "conical"), (claim 13, line 3, "the imaging region"; replacing "the" with --an--), (claim 13, lines 3-4, "said interested area index"; replacing "said" with --an--), (claim 13, line 5, "said X-ray CT"; deleting "said"), (claim 15, line 2, "the start"; deleting "the"), (claim 15, line 2, "the termination"; deleting "the"), (claim 15, line 3, "such appropriate"; inserting --an-- after "such"), (claim 15, line 3, "or angle"; inserting --an-- after "or"), (claim 15, line 3, "angle as for"; deleting "as"), (claim 16, line 3, "the shape"; replacing "the" with --a--), (claim 16, line 3, "of X-ray beam"; inserting --an-- after "of"), (claim 16, line 4, "the shape"; replacing "the" with --a--), (claim 16, line 4, "of X-ray beam"; inserting --an-- after "of"), (claim 17, line 3, "obtaining dental"; inserting --a -- before "dental"), (claim 17, line 3, "or curved sectional"; inserting --a-- before "curved"), (claim 18, line 4, "image comprised"; replacing "image" with --images--), (claim 18, line 5, "the three"; deleting "the"), (claim 18, line 8, "the imaging region"; replacing "the" with --an--), (claim 22, line 3, "of said X-ray rotary axis"; replacing "said" with --the--), and (claim 22, line 3, "to said X-ray rotary axis"; replacing "said" with --the--).

Claims 3-22 are objected to by virtue of their dependency. For purposes of examination,

the claims have been treated as such. Appropriate correction is required.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the

subject matter which the applicant regards as his invention.

7. Claims 1-22 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for

failing to particularly point out and distinctly claim the subject matter which applicant regards as

the invention.

8. Regarding claim 1, the claim recites "while said X-ray generator and said X-ray image

sensor moves for X-ray circulating radiation relative to each other with an object to be examined

interposed therebetween so as to hold their mutual facing positional relation". Claim 2 recites an

analogous recitation. However, it is indefinite as to how a generator and sensor can move for X-

ray circulating radiation relative to each other while holding their mutual facing positional

relation. If the generator and sensor held their mutual facing positional relation, then the

generator and sensor would not move for X-ray circulating radiation relative to each other. If the

generator and sensor move for X-ray circulating radiation relative to each other, then they would

not hold their mutual facing positional relation. Therefore, claims 1 and 2 are rejected for not

particularly pointing out and distinctly claiming the subject matter which applicant regards as the

invention. Claims 4 and 5 also recite relative movement, which is indefinite for the above

reasons. Claims 3 and 6-22 are rejected by virtue of their dependency.

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9. Regarding claim 14, the phrase "or the like" renders the claim(s) indefinite because the

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claim(s) include(s) elements not actually disclosed (those encompassed by "or the like"), thereby

rendering the scope of the claim(s) unascertainable. See MPEP § 2173.05(d).

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the

basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on

sale in this country, more than one year prior to the date of application for patent in the United States.

10. Claims 1, 2, 4-6, 10, 11, 14-17, and 22 are rejected under 35 U.S.C. 102(b) as being

anticipated by Arai et al. (US 6118842).

11. Regarding claim 1, Arai et al. discloses an X-ray computer tomography apparatus

(abstract, lines 1-3) having an X-ray radiation means comprising an X-ray generator (fig. 2, #28)

and a two-dimensional X-ray image sensor (fig. 2, #38), wherein an X-ray beam (fig. 2, from

#28) is radiated on an object (fig. 2, object at #163) to be examined, while said X-ray generator

and said X-ray image sensor moves for X-ray circulating radiation (fig. 2, via #22) relative to

each other with an object to be examined (fig. 2, object at #163) interposed therebetween so as to

hold their mutual facing positional relation (fig. 2), and wherein a first X-ray tomography is

executed for obtaining a curved plane tomography image or a flat plane tomography image

(abstract, "panoramic"), wherein a second X-ray tomography is executed for obtaining a

computed tomography image of an interested area of said object (abstract, "CT"), said X-ray computer tomography apparatus comprising an object holding means (fig. 1, #12), and an object moving means (fig. 2, #10).

Note that recitations (i.e., wherein said first X-ray tomography is executed in a manner such that said object holding means is moved by said object moving means depending on a rotary angle of X-ray circulating radiation while holding said object by said object holding means during said X-ray circulating radiation, with a center of an orbit of said X-ray circulating radiation fixed) with respect to the manner in which a claimed apparatus is intended to be employed does not differentiate the claimed apparatus from prior art if the prior art teaches all the structural limitations of the claim. Therefore, these recitations have not been given patentable weight. See MPEP 2114.

- 12. Regarding claim 2, note that recitations (i.e., for moving said object holding means depending on a rotary angle of X-ray circulating radiation during said X-ray circulating radiation, with a center of an orbit of said X-ray circulation radiation fixed, when executing said first X-ray tomography of said object) with respect to the manner in which a claimed apparatus is intended to be employed does not differentiate the claimed apparatus from prior art if the prior art teaches all the structural limitations of the claim. Therefore, these recitations have not been given patentable weight. See MPEP 2114.
- 13. Regarding claim 4, note that recitations (i.e., wherein said first X-ray tomography is executed for obtaining an X-ray sectional image including a blurred image of regions other than

a target sectional area through a curved plane tomography or a flat plane tomography in a manner such that said X-ray generator and said two-dimensional X-ray image sensor are moved relative to each other with an object to be examined interposed therebetween so as to hold their mutual facing positional relation, and wherein said second X-ray tomography is executed for obtaining an X-ray sectional image excluding a blurred image through computed tomography which computes and processes three-dimensional X-ray absorption coefficient data) with respect to the manner in which a claimed apparatus is intended to be employed does not differentiate the claimed apparatus from prior art if the prior art teaches all the structural limitations of the claim. Therefore, these recitations have not been given patentable weight. See MPEP 2114.

- 14. Regarding claim 5, Arai et al. further discloses wherein relative movement between said X-ray generator and said two-dimensional X-ray image sensor is a rotary movement (fig. 2, via #22) or a parallel movement.
- 15. Regarding claim 6, note that recitations (i.e., wherein said second X-ray tomography is executed for obtaining an X-ray computed tomography image around a local region of said object in a manner such that the interested area of said object conforms to the rotary center of Xray circulating radiation by moving said object holding means or said X-ray radiation means after said first X-ray tomography is finished) with respect to the manner in which a claimed apparatus is intended to be employed does not differentiate the claimed apparatus from prior art if the prior art teaches all the structural limitations of the claim. Therefore, these recitations have not been given patentable weight. See MPEP 2114.

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16. Regarding claim 10, note that recitations (i.e., wherein said first X-ray tomography is

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executed for obtaining a flat plane sectional image by mutually moving said X-ray generator and

said two-dimensional X-ray image sensor held by a rotary arm in a direction opposite to each

other, while turning said rotary arm around said object with said interested area interposed

therebetween) with respect to the manner in which a claimed apparatus is intended to be

employed does not differentiate the claimed apparatus from prior art if the prior art teaches all

the structural limitations of the claim. Therefore, these recitations have not been given

patentable weight. See MPEP 2114.

17. Regarding claim 11, Arai et al. further discloses a conical X-ray beam (col. 7, lines 18-

21).

Also note that recitations (i.e., wherein said second X-ray tomography is executed for

obtaining an X-ray computed tomography image of a local region of said object by radiating a

concal X-ray beam from said X-ray generator) with respect to the manner in which a claimed

apparatus is intended to be employed does not differentiate the claimed apparatus from prior art

if the prior art teaches all the structural limitations of the claim. Therefore, these recitations have

not been given patentable weight. See MPEP 2114.

18. Regarding claim 14, Arai et al. further discloses wherein said two-dimensional X-ray

imaging sensor is comprises of any one of CdTe, MOS, CCD, XII, XICCD (col. 33, lines 35-43),

or photo diode array.

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19. Regarding claim 15, Arai et al. would necessarily have wherein start and termination

angles of the X-ray circulating radiation are set in such an appropriate position or an angle for a

patient to easily come in and out of said object holding means corresponding to said first and

second X-ray tomography, respectively (fig. 1).

20. Regarding claim 16, Arai et al. further discloses wherein an X-ray beam switching means

is provided for switching a shape of an X-ray beam radiated from said X-ray generator in the

first X-ray tomography and a shape of an X-ray beam radiated from said X-ray generator in the

second X-ray tomography (col. 4, lines 45-62).

21. Regarding claim 17, Arai et al. further discloses wherein said curved plane X-ray

tomography is executed for obtaining a dental panoramic image (fig. 24) or a curved sectional X-

ray image for use in otolaryngology.

22. Regarding claim 22, Arai et al. further discloses wherein said object holding means is

moveable in an axial direction of an X-ray rotary axis as well as in a vertical direction to said X-

ray rotary axis (fig. 2, #10).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

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(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

23. Claim 3 is rejected under 35 U.S.C. 103(a) as being unpatentable over Arai et al. as applied to claim 1 above, and further in view of Suzuki et al. (US 2001/0021244).

Arai et al. discloses an apparatus as recited above. Arai et al. further discloses an image processing means (fig. 9, #236) for producing an X-ray sectional image by executing processing to an X-ray transmitted image detected by said two-dimensional X-ray image sensor (fig. 9, #38) in said first X-ray tomography, which is transmitted through said object (fig. 2, object at #163) by radiating X-rays from said X-ray generator (fig. 2, #28).

However, Arai et al. fails to disclose executing Time Delay Integration (TDI) processing. Suzuki et al. teaches executing TDI processing (paragraphs 26 and 95).

'It would have been obvious, to one having ordinary skill in the art at the time the invention was made, to modify the apparatus of Arai et al. with the TDI processing of Suzuki et al., since one would have been motivated to make such a modification for improving usability of the apparatus (paragraph 95) as shown by Suzuki et al.

- 24. Claims 8 and 9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Arai et al. ('842) as applied to claim 1 above, and further in view of Arai et al. (WO 00/57789) and Fujimoto (US 5386446).
- 25. Regarding claim 8, Arai et al. ('842) discloses an apparatus as recited above.

However, Arai et al. ('842) fails to disclose wherein an object holding means has a chair for holding a patient in a sitting position and a head fixing means at the upper part of the chair, and wherein said object holding means further has a pulse motor for moving said object in an axial direction of an X-ray rotary axis or in a vertical direction to the X-ray rotary axis.

Arai et al. ('789) teaches wherein an object holding means has a chair (page 28, lines 4-10) for holding a patient (fig. 10, R) in a sitting position and a head fixing means (fig. 10, #4a and 4b) at the upper part of the chair, and wherein said object holding means further has a motor (fig. 10, #41) for moving said object in an axial direction of an X-ray rotary axis or in a vertical direction (fig. 10, #41c) to the X-ray rotary axis. Fujimoto et al. teaches a pulse motor (col. 5, lines 18-20).

It would have been obvious, to one having ordinary skill in the art at the time the invention was made, to modify the apparatus of Arai et al. ('842) with the chair of Arai et al. ('789), since one would have been motivated to make such a modification for making a patient feel more comfortable.

It would have been obvious, to one having ordinary skill in the art at the time the invention was made, to modify the apparatus of Arai et al. ('842) with the pulse motor of Fujimoto et al., since these motors are art-recognized equivalents for their use in translating objects, and the selection of any of these known equivalents to translate objects would have been within the level of ordinary skill in the art. One would have been motivated to make such a modification for better accuracy and control of movement.

See US 6493415 (col. 19, lines 54-63) for a translation of Arai et al. ('789).

26. Regarding claim 9, Arai et al. ('842) further discloses wherein said X-ray radiation means

has a rotary arm (fig. 2, #24) rotatable around the rotary center, said rotary arm holding said X-

ray generator (fig. 2, #28) and said two-dimensional X-ray imaging sensor (fig. 2, #38) so as to

keep their mutual facing positional relation.

Note that recitations (i.e., wherein said first X-ray tomography is executed for obtaining a

curved plane sectional image in a manner such that said rotary arm turns around the object with

the center of the orbit of the X-ray circulating radiation fixed during said first X-ray tomography,

while said chair is moved along a predetermined imaging orbit in synchronism with the turning

of said rotary arm) with respect to the manner in which a claimed apparatus is intended to be

employed does not differentiate the claimed apparatus from prior art if the prior art teaches all

the structural limitations of the claim. Therefore, these recitations have not been given

patentable weight. See MPEP 2114.

Allowable Subject Matter

27. Claims 7, 12, 13, and 18-21 would be allowable if rewritten to overcome the rejection(s)

under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action and to include all of the

limitations of the base claim and any intervening claims. The following is a statement of reasons

for the indication of allowable subject matter.

28. Regarding claim 7, prior art fails to disclose or fairly suggest an X-ray computer

tomography apparatus, including a display means on which a first X-ray sectional image of an

object taken by a first X-ray tomography is displayed, and an interested area selection means for

selecting an interested area to be taken by a second X-ray tomography on said first X-ray sectional image displayed on said display means, and a calculation means of rotary center position for calculating movement data for relatively moving an object holding means or X-ray radiation means in a manner such that an X-ray rotary center conforms to said interested area selected by said interested area selection means, wherein said object holding means or said X-ray radiation means is moved depending on said movement data, and thereafter said X-ray radiation means is circulated with a center of an orbit of X-ray circulating radiation fixedly conformed to said interested area during X-ray circulating radiation, thereby executing said second X-ray tomography, in combination with all the limitations in the claim. Claims 12 and 13 contain allowable subject matter by virtue of their dependency.

29. Regarding claim 18, prior art fails to disclose or fairly suggest an X-ray computer tomography apparatus, including a sectional image link means for subdividing in advance a second X-ray sectional image obtained by a second X-ray tomography into an assembly of X-ray sectional images comprised of plural X-ray sectional images cut out at a fixed interval at least in one direction of three dimensional directions and for linking each X-ray sectional image in said assembly of X-ray sectional images as the second X-ray sectional image to a first X-ray sectional image obtained by a first X-ray tomography corresponding to an imaging region, an image recording means for storing together with each positional information said first X-ray sectional image and said second X-ray sectional image, each linked to the corresponding information, and a corresponding image calling means for invoking the linked corresponding X-ray sectional image when at least one of said first X-ray sectional image and said second X-ray sectional

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image stored in said image recording means is read out and is shown on said display means, in

combination with all the limitations in the claim. Claims 19-21 contain allowable subject matter

by virtue of their dependency.

Conclusion

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Chih-Cheng Glen Kao whose telephone number is (571) 272-

2492. The examiner can normally be reached on M - F (9 am to 5 pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Ed Glick can be reached on (571) 272-2490. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

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Chih-Cheng Glen Kao

Examiner

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